a housing forming an upper end opening and a central first passageway sized to receive the male luer tip, said housing having an upper end portion configured to fit within the space defined by the male luer assembly when the male luer tip is inserted downward into said opening, said first central passageway extending from said opening in a downward direction within said housing, said housing including a first upper edge portion having an outside surface of generally constant first diameter, and a second lower portion spaced from said upper edge portion and having an outside surface of a generally constant second diameter, said second diameter being larger than said first diameter, said housing including a third intermediate portion extending from said distal edge portion to said second portion, said third portion having an outside surface with a changing diameter;

a resealable valve resiliently restrained relative to said housing, said valve including a first portion configured to seal said opening prior to insertion of said tip and having an upper surface radially extending across said opening, said upper surface being disposed and shaped to be easily wipeable, a second extension portion integral with said first portion and extending generally vertically downward within said passageway from a lower surface of said first portion, said valve having a third extension portion attached to one of said extension portion and a lower surface of said radial portion and extending downward, a lower end portion of said extension portion attached to said housing to form a sealed second passageway within said said extension portion, said extension portion and said housing defining a generally annular space between said extension portion and said housing; and

an opening formed in said valve such that when the luer tip is inserted downward into said opening in said housing and through said septum said first portion and said second portion elastically extend about the luer tip and form a seal about said luer tip and allow fluid to be injected from said tip into said second passageway, the attachment of said lower end of portion of said extension portion to said housing being such that fluid injected into said second passageway flows through said housing without flowing into said annular space.

2. The connector device of claim **1** wherein said valve includes a septum having an annular skirt attached to said first portion, said skirt extending over and attached to an outside surface of said housing proximate said opening.

3. The connector device of claim **2** wherein said septum includes an annular channel formed by said skirt and said first portion, a distal edge portion of said housing received in said channel.

4. The connector device of claim **3** wherein said distal edge portion forms a distal landing received in said channel, at least a portion of said distal landing being attached to said septum.

5. The connector of claim **4** wherein the entire length of said landing is attached to said septum.

6. The connector device of claim **5** wherein said connector includes a bonding agent to attach said outside surface of said housing and said landing to said septum.

7. The connector device of claim **1** wherein said second portion of said resealable valve is formed with a generally rectangular cross section in the proximate direction.

8. The connector device of claim **1** wherein said valve includes a septum having an annular skirt attached to said first portion, said skirt extending over and attached to an outside surface of said housing proximate said opening.

9. A connector device for establishing a sealed connection with a male luer assembly configured to conform to ISO standards, said assembly including a male luer tip and having a generally annular flange disposed generally about said male luer tip and defining a generally cylindrical space between said flange and said tip, said connector device comprising:

a housing forming an upper opening and a central first passageway sized to receive the male luer tip, said housing having an upper end portion configured to fit within the generally cylindrical space defined by the male luer assembly when the male luer tip is inserted downward into said opening, said first central passageway extending from said opening in a downward direction within said housing;

a resealable valve resiliently restrained relative to said housing, said valve including,

a first portion configured to seal said opening prior to insertion of said tip and having an upper surface radially extending across said opening, said upper surface being disposed and shaped to be easily wipeable,

a second portion integral with said first portion and extending generally vertically downward within said passageway from a lower surface of said first portion, and

a third extension portion attached to said lower surface of said first portion and extending downward, a lower end portion of said third portion attached to said housing to form a sealed second passageway within said extension portion, said second portion extending within said

second sealed passageway portion, said third extension portion and said housing defining a generally annular space between said extension portion and said housing; and

an opening formed in said valve such that when the luer tip is inserted downward into said opening in said housing and through said septum said first portion and said second portion elastically extend about the luer tip and form a seal about said luer tip and allow fluid to be injected from said tip into said second passageway, the attachment of said lower end of portion of said extension portion to said housing being such that fluid injected into said second passageway flows through said housing without flowing into said annular space.

10. The connector device of claim **9** wherein said septum includes an annular channel formed by said skirt and said first portion, a distal edge portion of said housing received in said channel.

11. The connector device of claim **10** wherein said distal edge portion forms a distal landing received in said channel, at least a portion of said distal landing being attached to said septum.

12. The connector of claim **11** wherein the entire length of said landing is attached to said septum.

13. The connector device of claim **12** wherein said connector includes a bonding agent to attach said outside surface of said housing and said landing to said septum.

14. The connector device of claim **13** wherein said second portion of said resealable valve is formed with a generally rectangular cross section in the proximate direction.

* * * * *

Please add newly-submitted Claims 15-54 as follows:

15. A connector device for establishing a sealed connection with a male luer assembly configured to conform to ISO standards, said assembly including a male luer tip, said male luer tip encircled by an annular locking flange, said male luer tip and said flange defining a generally cylindrical space between said flange and said tip, said connector device comprising:

a housing forming an upper end opening and a central first passageway sized to receive the male luer tip, said housing having an upper end portion configured to fit within the space defined by the male luer assembly when the male luer tip is inserted downward into said opening, said first central passageway extending from said opening in a downward direction within said housing;

a resealable valve resiliently restrained relative to said housing, said valve including a first portion configured to seal said opening prior to insertion of said tip and having an upper surface radially extending across said opening, said upper surface being disposed and shaped to be easily wipeable, a second extension portion integral with said first portion and extending generally vertically downward within said passageway from a lower surface of said first portion, said valve having a third extension portion attached to one of said second extension portion and a lower surface of said first portion and extending downward, a lower end portion of said third extension portion attached to said housing to form a sealed second passageway, said valve and said housing defining a generally annular space between said valve and said housing; and

an opening formed in said valve such that when the luer tip is inserted downward into said opening in said housing and through said septum said first portion and said second extension portion elastically extend about the luer tip and form a seal about said luer tip and allow fluid to be injected from said tip, the attachment of said lower end portion of said third extension portion to said housing being such that fluid injected from said tip flows through said housing without flowing into said annular space.

16. The connector device of claim 15 wherein said septum includes an annular channel formed by said skirt and said first portion, a distal edge portion of said housing received in said channel.

17. The connector device of claim 15 wherein said distal edge portion forms a distal landing received in said channel, at least a portion of said distal landing being attached to said septum.

18. The connector of claim 17 wherein the entire length of said landing is attached to said septum.

19. The connector device of claim 18 wherein said connector includes a bonding agent to attach said outside surface of said housing and said landing to said septum.

20. The connector device of claim 15 wherein said second portion of said resealable valve is formed with a generally rectangular cross section in the proximate direction.

21. A connector device for establishing a sealed connection with a male luer assembly configured to conform to ISO standards, said assembly including a male luer tip and having a generally annular flange disposed generally about said male luer tip and defining a generally cylindrical space between said flange and said tip, said connector device comprising:

a housing forming an upper opening and a central first passageway sized to receive the male luer tip, said housing having an upper end portion configured to fit within the generally cylindrical space defined by the male luer assembly when the male luer tip is inserted downward into said opening, said first central passageway extending from said opening in a downward direction within said housing;

a resealable valve resiliently restrained relative to said housing, said valve including a first portion configured to seal said opening prior to insertion of said tip and having an upper surface radially extending across said opening, said upper surface being disposed and shaped to be wipeable, a second portion integral with said first portion and extending generally vertically downward within said passageway from a lower surface of said first portion, and a third

extension portion attached to a lower surface of said second portion and extending downward, a lower end portion of said third extension portion attached to said housing to form a sealed second passageway within said extension portion, at least portions of said valve and said housing defining a generally annular space between said valve and said housing; and

an opening formed in said valve such that when the luer tip is inserted downward into said opening in said housing and through said septum into said second passageway said first portion and said second portion elastically extend about the luer tip and form a seal about said luer tip, the attachment of said lower end portion of said third extension portion to said housing being such that fluid injected from said tip flows through said housing without flowing into said annular space.

22. The connector device of claim 21 wherein said septum includes an annular channel formed by said skirt and said first portion, a distal edge portion of said housing received in said channel.

23. The connector device of claim 21 wherein said distal edge portion forms a distal landing received in said channel, at least a portion of said distal landing being attached to said septum.

24. The connector of claim 23 wherein the entire length of said landing is attached to said septum.

25. The connector device of claim 24 wherein said connector includes a bonding agent to attach said outside surface of said housing and said landing to said septum.

26. The connector device of claim 25 wherein said second portion of said resealable valve is formed with a generally rectangular cross section in the proximate direction.

27. A connector device for establishing a sealed connection with a male luer assembly configured to conform to ISO standards, said assembly including a male luer tip, said male luer tip encircled by an annular locking flange, said male luer tip and said flange defining a generally cylindrical space between said flange and said tip, said connector device comprising:

a housing forming an upper end opening and a central first passageway sized to receive the male luer tip, said housing having an upper end portion configured to fit within the space defined by the male luer assembly when the male luer tip is inserted downward into said opening, said first central passageway extending from said opening in a downward direction within said housing;

a resealable valve resiliently restrained relative to said housing, said valve including a first portion configured to seal said opening prior to insertion of said tip and having an upper surface radially extending across said opening, said upper surface being disposed and shaped to be wipeable, a second extension portion integral with said first portion and extending generally vertically downward within said passageway from a lower surface of said first portion, said valve having a third extension portion attached to said extension portion and sealingly attached to said housing, at least a portion of said valve and said housing defining a generally annular space between said valve and said housing; and

an opening formed in said valve such that when the luer tip is inserted downward into said opening in said housing and through said septum and within said second passageway, said first portion and said second extension portion elastically extend about the luer tip and form a seal about said luer tip, the attachment of said lower end portion of said extension portion to said housing being such that when fluid is then injected from said tip, the fluid flows through said housing without flowing into said annular space.

28. The connector device of claim 27 wherein when the luer tip is inserted into the valve and fluid is injected through said tip upon removal of the luer tip, at least some fluid remaining in the second passageway is forced into the housing.

29. The connector device of claim 27 wherein the third extension portion is connected to the second extension portion.

30. The connector device of claim 27 wherein the third extension portion is integral with the second extension portion.

31. The connector device of claim 27 wherein the third extension device extends for a length greater than a diameter of the upper surface.

32. The connector device of claim 27 including a fourth portion that is connected to the third extension.

33. The connector device of claim 27 including a collapsing member located in the annular space.

34. A connector device for establishing a sealed connection with a male luer assembly configured to conform to ISO standards, said assembly including a male luer tip, said male luer tip encircled by an annular locking flange, said male luer tip and said flange defining a generally cylindrical space between said flange and said tip, said connector device comprising:

a housing forming an upper end opening and a central first passageway sized to receive the male luer tip, said housing having an upper end portion configured to fit within the space defined by the male luer assembly when the male luer tip is inserted downward into said opening, said first central passageway extending from said opening in a downward direction within said housing;

a resealable valve resiliently restrained relative to said housing, said valve including a first portion configured to seal said opening prior to insertion of said tip and having an upper surface radially extending across said opening, said upper surface being disposed and shaped to be wipeable, a second extension portion integral with said first portion and extending generally vertically downward within said passageway from a lower surface of said first portion, said valve having a third extension portion attached to said second extension portion and extending downward, a lower end portion of said extension portion attached to said housing to form a sealed second passageway within said extension portion, said valve and said housing defining a generally annular space between said extension portion and said valve;

a collapsing member connected to the third extension portion and located in the annular space; and

an opening formed in said valve such that when the luer tip is inserted downward into said opening in said housing and through said septum said first portion and said second extension portion elastically extend about the luer tip and form a seal about said luer tip and allow fluid to be injected from said tip into said second passageway, the attachment of said lower end portion of said extension portion to said housing being such that fluid injected into said second passageway flows through said housing without flowing into said annular space.

35. The connector device of claim 34 wherein upon removal of the luer tip, at least some of the fluid remaining in the second passageway is forced into the housing.

36. The connector device of claim 34 wherein the collapsing member is a split collar.

37. The connector device of claim 34 wherein the third extension portion is connected to the second extension portion.

38. The connector device of claim 34 wherein the third extension portion is integral with the second extension portion.

39. The connector device of claim 34 wherein the third extension device extends for a length greater than a diameter of the upper surface.

40. A connector device for establishing a sealed connection with a male luer assembly configured to conform to ISO standards, said assembly including a male luer tip, said male luer tip encircled by an annular locking flange, said male luer tip and said flange defining a generally cylindrical space between said flange and said tip, said connector device comprising:

a housing forming an upper end opening and a central first passageway sized to receive the male luer tip, said housing having an upper end portion configured to fit within the space defined by the male luer assembly when the male luer tip is inserted downward into said opening, said first central passageway extending from said opening in a downward direction within said housing;

a resealable valve resiliently restrained relative to said housing, said valve including a first portion configured to seal said opening prior to insertion of said tip and having an upper

surface radially extending across said opening, said upper surface being disposed and shaped to be wipeable, a second extension portion extending generally vertically downward within said passageway from a lower surface of said first portion, said valve having a third extension portion attached to the second extension portion and extending downward, a lower end portion of said third extension portion being so oriented with respect to said housing to form a sealed second passageway, said valve and said housing defining a generally annular space between said valve and said housing; and

an opening formed in said valve such that when the luer tip is inserted downward into said opening in said housing and through said septum said first portion and said second extension portion elastically extend about the luer tip and form a seal about said luer tip and allow fluid to be injected from said tip into said second passageway, the lower end portion of said extension portion and said housing being oriented such that fluid injected into said second passageway flows through said housing without flowing into said annular space.

41. A connector device for establishing a sealed connection with a male luer assembly configured to conform to ISO standards, said assembly including a male luer tip, said male luer tip encircled by an annular locking flange, said male luer tip and said flange defining a generally cylindrical space between said flange and said tip, said connector device comprising:

a housing forming an upper end opening and a central first passageway sized to receive the male luer tip, said housing having an upper end portion configured to fit within the space defined by the male luer assembly when the male luer tip is inserted downward into said opening, said first central passageway extending from said opening in a downward direction within said housing;

a resealable valve resiliently restrained relative to said housing, said valve including a first portion configured to seal said opening prior to insertion of said tip and having an upper surface radially extending across said opening, said upper surface being disposed and shaped to be easily wipeable, a second portion integral with said first portion and extending generally vertically downward within said passageway from a lower surface of said first portion, said valve having a portion attached to said second portion and being attached to said housing such that said

valve forms a sealed second passageway and said valve portion and said housing defining a generally annular space between said valve and said housing; and

an opening formed in said valve such that when the luer tip is inserted downward into said opening in said housing and through said septum said first portion and said second portion elastically extend about the luer tip and form a seal about said luer tip and allow fluid to be injected from said tip, the attachment of said valve to said housing being such that fluid injected from said tip flows through said housing without flowing into said annular space.

42. The connector device of claim 41 wherein said septum includes an annular channel formed by said skirt and said first portion, a distal edge portion of said housing received in said channel.

43. The connector device of claim 41 wherein said distal edge portion forms a distal landing received in said channel, at least a portion of said distal landing being attached to said septum.

44. The connector of claim 43 wherein the entire length of said distal landing is attached to said septum.

45. The connector device of claim 44 wherein said connector includes a bonding agent to attach said outside surface of said housing and said distal landing to said septum.

46. The connector device of claim 41 wherein said second portion of said resealable valve is formed with a generally rectangular cross section in the proximate direction.

47. A connector device for establishing a sealed connection with a male luer assembly configured to conform to ISO standards, said assembly including a male luer tip and having a generally annular flange disposed generally about said male luer tip and defining a generally cylindrical space between said flange and said tip, said connector device comprising:

a housing forming an upper opening and a central first passageway sized to receive the male luer tip, said housing having an upper end portion configured to fit within the generally cylindrical space defined by the male luer assembly when the male luer tip is inserted downward

into said opening, said first central passageway extending from said opening in a downward direction within said housing;

a resealable valve resiliently restrained relative to said housing, said valve including a first portion configured to seal said opening prior to insertion of said tip and having an upper surface radially extending across said opening, said upper surface being disposed and shaped to be wipeable, a second portion integral with said first portion and extending generally vertically downward within said passageway from a lower surface of said first portion, and a third portion attached to a lower surface of said second portion, a portion of said third portion attached to said housing to form a sealed second passageway, at least portions of said valve and said housing defining a generally annular space between said valve and said housing; and

an opening formed in said valve such that when the luer tip is inserted downward into said opening in said housing and through said septum into said second passageway said first portion and said second portion elastically extend about the luer tip and form a seal about said luer tip, the attachment of said lower end portion of said third portion to said housing being such that fluid injected from said tip does not flow into said annular space.

48. The connector device of claim 47 wherein said septum includes an annular channel formed by said skirt and said first portion, a distal edge portion of said housing received in said channel.

49. The connector device of claim 47 wherein said distal edge portion forms a distal landing received in said channel, at least a portion of said distal landing being attached to said septum.

50. The connector of claim 49 wherein the entire length of said landing is attached to said septum.

51. The connector device of claim 50 wherein said connector includes a bonding agent to attach said outside surface of said housing and said landing to said septum.

52. The connector device of claim 51 wherein said second portion of said resealable valve is formed with a generally rectangular cross section in the proximate direction.

53. A connector device for establishing a sealed connection with a male luer assembly configured to conform to ISO standards, said assembly including a male luer tip, said male luer tip encircled by an annular locking flange, said male luer tip and said flange defining a generally cylindrical space between said flange and said tip, said connector device comprising:

a housing forming an upper end opening and a central first passageway sized to receive the male luer tip, said housing having an upper end portion configured to fit within the space defined by the male luer assembly when the male luer tip is inserted downward into said opening, said first central passageway extending from said opening in a downward direction within said housing;

a resealable valve resiliently restrained relative to said housing, said valve including a first portion configured to seal said opening prior to insertion of said tip and having an upper surface radially extending across said opening, said upper surface being disposed and shaped to be wipeable, a second portion integral with said first portion and extending generally vertically downward within said passageway from a lower surface of said first portion, said valve having a third portion sealingly attached to said housing, at least a portion of said valve and said housing defining a generally annular space between said valve and said housing; and

an opening formed in said valve such that when the luer tip is inserted downward into said opening in said housing and through said septum, said first portion and said second extension portion elastically extend about the luer tip and form a seal about said luer tip, the attachment of said third portion to said housing being such that when fluid is then injected from said tip, the fluid flows through said housing without flowing into said annular space.

54. The connector device of claim 53 wherein the third portion is integral with the second portion.